



# KEY NOTE



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**NA QSL Manager:** N8FU John Hugentober  
4441 Andreas Ave, Cincinnati OH 45211

**Supplies:** WOBE Irene 25206 Hayes  
Roseville MI 48066

Stickers 200/\$5 Pins \$3.50 Book \$10

**Listings:** Ed N7CFA 2628 Lilac St  
Longview WA 98632 SASE please

**Century Award Custodian:**

Lee N9NVV 4530 N. 15th Street

Terre Haute OM 47805-2412

## SUBS

Checks payable to FISTS C.W. CLUB.

N. America to WZ8C, others to HQ.

UK: £5, EEC: £6, Europe: £7

N. America: \$15.00.

**Family Plan:** All CW folk at the same address can  
join for one subscription fee with full privileges, but  
only one Keynote will be mailed per household.

Sunday :0930 & 1430 on 7029. G01IK

Sunday :US 2000Z on 14058. KE3NV

Saturday: US 2000 EST on 14.058 WP2T

DX 7/14/21/28.058 on the hour for 15mins

Pse keep watch all Novice allocations

UK Net Controls use GX0IPX/P

Slow Traffic Net Tues/Thurs 9pm EDT 3.682

Slow Speed QSO Group 3720 8pm EDT W8BI

## SUBS

Your renewal date is printed on your mailing label.

## NORTH AMERICAN MEMO



by WZ8C - Ms. Nancy Kott

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Deadline for next Keynote is the 15th of the month

October is almost over with, where does the time go! Here in lower Michigan, the leaves were almost all blown off the trees by storm winds before they could even change color. Here's hoping for an Indian Summer!

## Congrats, News, Updates, Etc

Congrats to John **KS4XN** on his upgrade to Extra!  
Congrats to Ed **N7CFA** and his wife on 53 years of wedded bliss!

Welcome to our first FISTS spin-off club, the Cowlitz Washington Radio club with 12 (at last count) FISTS members. Look for their club station **WA7YYY**.

Ken **AD4OS** is operating from the Purdue University club station with his number 1787, so don't be confused when he gives you the club callsign of **W9YB** - it still counts as a FISTS contact.

Congrats to Bill **N3EYM** on being the Section Chief for MARS.

## NEW QRP Operating Award

Colin **AA3LM** is sponsoring a new QRP Operating Award. There are eight certificates available, reflecting various levels of accomplishment in working QRP DX and Stateside.

These awards are designed to encourage QRPers by recognizing their significant accomplishments in two way low power communications. Colin believes that such recognition is particularly important during these times of poor propagation when QRP becomes an even more difficult challenge.

It's an "on-your-honor" award program, because the sponsor believes that hams are honest and QSLing is becoming too expensive. If you made the contact, you can count it for these awards. Cards or lists are NOT required.

QRP for these awards is not more than 5 watts CW or 10 watts PEP SSB.

To receive a certificate, send letter stating that you have made the QRP contacts required for the specific award. Include your name, call, mailing address and \$1 for each certificate requested.

Please specify any requested mode or band endorsements (CW, SSB, QRPp, Wire Antennas, specific band, specific power level, etc.) in your letter. Multiple endorsements can be listed on your certificate. An example would be : CW with 2 watts on 20 Meters.

Mail to QRP Operating Awards, Colin Neal **AA3LM**, 264 Miner St, Malvern PA 19355.

The certificates are printed on 8.5 x 11" colored parchment paper, and are folded for mailing in a 4 x 9" envelope. The two folds can easily smoothed out for display.

Prompt attention of your application for the award is pledged!

Categories: Worked 25 States, Worked 50 States, Worked 6 Continents, Worked 25 Countries, Worked 50....100....200...or 300 Countries.

*Colin sent a sample of the award to me and it is very impressive looking on quality paper and would be a fine addition to any wallpaper collection - Nancy*

## Using a Bug - Questions

Yuzuru contacted me recently and brought up some questions that I know others are thinking about (because they have been asked before). Please send in your comments to me so I can share them in upcoming KeyNotes!

Yuzuru writes:

I have recently started to use an old Vibroplex bug, and found it fun. I am wondering if there are FISTS members who use a bug. I have a couple of questions about the adjustment and also where to buy a used bug, and so forth. I posted an article on [rec.radio.amateur.misc](http://rec.radio.amateur.misc), but only two persons sent me responses.

I am trying to use a straight key, a bug, and an iambic paddle. I thought that it would be nice if I can use a straight key for slow CW (say, below 20 WPM), a bug for medium-speed CW (20-25 WPM), and an iambic paddle for fast CW (above 25 WPM). I had a little difficulty with a bug at the beginning (such as trying to squeeze it in sending some of the "iambic characters"!), but I am getting better.

Anyway, if you know of any FISTS members who are bug users, or if there is any way I can ask for their advice, please let me know. Thanks!

73, Yuzuru Suzuki, AA1JA

### HI vs HEE

This is from Marion in Texas:

How About a FISTS Resolution For a Real Laugh?

This summer I read with great interest, "How Do You Laugh On the Radio" by Steve McCallum, K4URX (QST August 1995). When I first got on the air and heard a few laughs as "HEE HEE" and lots more as "HI HI," I liked "HEE HEE" better. It made more sense and just sounded more playful. Also, HI looks silly in print. So I adopted HEE HEE for myself, meanwhile wondering what's the real story.

Steve's article made it all clear. To summarize, "A hundred years ago, telegraph operators along railroad landline circuits laughed in Santa Claus style, sending HO HO in American Morse code ... where O is two dits with a slight separation between them ... more separation than between the two dits of an I (didit), but less than the space between a couple of Es (dit dit)."

The author concludes with a call to action, "Let's forget this HI nonsense and laugh with HEE HEE on CW and on phone with our larynx - as we were meant to."

Since we FISTS are CW enthusiasts, we're in a good position to make an official resolution on the subject. It could include: a) adopting HEE in print, b) using HEE on the air, and c) spreading the word to publishers of ham education books and software. And once we get it together, I'm sure we could get it published in the various ham magazines. This would be nice publicity for FISTS and a great way to promote the fun of CW. So how about it? Let me know what you think.

de Marion AC5CM

## A BREATH OF BAD AIR

*written by MarshallEmm*

If TV ads are to be believed, at some time or other we are all going to have a friend who has bad breath. How do you tell them? Generally you don't, right? So the offender goes on in blissful ignorance of the distress he or she is causing.

What do you do when you find yourself in contact with an operator whose CW is so poor you can barely make any sense of it? Each word sounds like one gigantic character, or characters sound like all dits or all dahs, or you can't tell where one word stops and the next starts. This is the CW equivalent of bad breath, and it is difficult and embarrassing to tell someone he or she has it. And if someone DOES apologize for a shaky fist or admits to being a "newbie," we go out of our way to tell them how well they are doing.

There ARE a lot of poor operators on the air—some of them seem to think they are Golden Fists! As a general rule, nobody will tell you if you have a sending problem, so you remain blissfully unaware of it and wonder why no-one wants to rag-chew with you.

If someone did criticize your sending, you'd be embarrassed, and you'd probably hate them forever. But you WOULD try to solve the problem, wouldn't you? Obviously, what we need is a POLITE way of telling someone he may have bad breath! But so far, there's no way to anonymously mail them a bottle of "fist-wash."

The Q-Code comes to the rescue! Our spiritual forefathers, in their boundless wisdom, assumed that Morse operators would like to comment on each other's sending, so they established the following Q signals (from "The ARRL Handbook," 1928):

QSD? Is My Keying Bad?

QSD Your Keying Is Bad. Your Signals Are Unreadable.

QSE? Are My Signals Distinct?

QSE Your Signals Run Together.

Well, the QSE code has vanished over the years, so it doesn't really matter that the answer didn't match the question. If QSE? means "Are my signals distinct?," then QSE should mean "Yes they are distinct," not "No they are indistinct." I guess we can see why it fell out of favor! But what's happened to QSD?

The ARRL "Ham Radio Operating Guide" of 1976 had it as:

QSD? Are My Signals Mutilated?

QSD Your Signals Are Mutilated.

And now it's listed in "The ARRL Handbook" and in RSGB publications as:

QSD? Is My Keying Defective?

QSD Your Keying Is Defective.

That's great, because I could quite happily tell you "Your signals are mutilated," because there is some possibility of mechanical or interference problems, so it is not necessarily a personal criticism. But I would find it a bit harder to say "Your keying is bad."

There is no escaping the fact that a lot of operators need to be told that their keying is sub-standard. I know

of one old-timer, for instance, who simply does not realize that now he's in his eighties, he can no longer send at 30 WPM by hand. I'm sure he was a Golden Fist during his days as a professional telegrapher, but now he is just unreadable. And he does love to answer every CQ I send!

So the original question, "How do you tell someone his sending is poor?" has two answers—first we should all understand the polite meaning of QSD and use it without giving or taking offense.

But just as importantly, we should occasionally ask the question QSD? to invite comment on our own sending. "What your best friends won't tell you, an acquaintance must." QSD?

### **Welcome to the New FISTS**

1987 WB5NKD Patricia in OK (KF5A)  
1986 WB5NKC Arley in OK (KF5A)  
1985 KB1BBI Louise in CT (WB2FXK)  
1984 AL7GQ Geno in CO (AA0XI)  
1983 K7DFW Rolynn in OR (KA7LUH)  
1982 AB4WQ Princess in FL (CompuServe WZ8C)  
1981 KE4NAY Jim in GA (KF5A)  
1980 W5QEE Al in TX (WB2FXK)  
1979 KA0JLF Don in KS (CompuServe WZ8C)  
1978 AA0XJ James in Iowa (NY2V)  
1977 KC8ASP Greg in OH (KA8OQF)  
1976 N2REL Ben in NY (W8ZNH)  
1975 KB3BKJ Woodwardville ARC in MD (KE3NV)  
1974 KA1IIQ Stan in NH (AA1HV)  
1973 KB7MVZ Judy in WA (K7WF)  
1972 KA7DBR Mike in WA (K7WF)  
1971 N3QEN Rick in PA (KL3HK)  
1970 KB5VTB Lanny in TX (KE3NV)  
1969 N9URB John in IN (sponsor??)  
1968 N8YJB Everett in MI (WB7PEI)  
1967 KB2SUE John in NY (WD8OCV)  
1966 AA1OL (exN1VEM) Bruce in CT (WB2FXK)  
1965 KS4XN John in FL (WZ8C HamNet forum)  
1964 KB2SWI Chuck in NY (K3DC and KF2QY)  
1963 K6RPQ Ed in CA (AC5CM)  
1962 KK5SQ Joe in LA (WZ8C HamNet forum CIS)  
1961 AE4AC Bob in NC (AC4WH)

Wow! Look at all these new FISTS! Thanks for your support and for nominating people you think would be good FISTS members.

Congrats to Helen NS2G on her Century Award and John N8FU on his SIXTH Century Award. That is incredible! Please remember, you don't need QSL cards to confirm FISTS contacts for the Century Award, it is all on the honor system. Send a list of the QSOs with the date, member number exchanged, and frequency used to the new Century Award Custodian:

Lee Kuhn N9NVV 4530 N 15th St.

Terre Haute IN 47805-2412

After checking your CA application, Lee has to get a certificate number for you from the Award Manager across the Pond (Bob G0FRL) then he will issue your certificate. \*\*FISTS contacts made with a FISTS member before YOU were a FISTS count\*\*

### **Sold on CW Dx-ing**

*by Colin AA3LM*

It requires some effort to become a proficient CW op, but the results are clearly worth the effort. There are many advantages of CW operation, both for the individual and the amateur community as a whole.

CW is very space efficient on the band. Listen during a contest period and you will learn that CW operators can effectively communicate even though several other stations are active only a few hundred hertz away. Just try that with any other mode!

It is also far easier to hear a CQ in CW. In SSB, tuning must be exact before a voice is intelligible, so it takes quite a bit of time to check for CQs. With CW, you can be 2 KH away and still hear the distinctive sound of a CQ, making it far quicker to search the band for a contact or a new country.

There are generally more stations calling CW in the CW portion of any band than there are in the phone portion. When 20 is open, it's common to hear numerous CQs in a single sweep across the CW portion.

It is also easier to passively monitor for new countries on CW. Pick a vacant frequency and just listen. It usually won't be long before you hear a CQ within the band-pass of your receiver. As a general class operator, I worked many DX stations simply by passively monitoring around 14.028 or 18.072 while I was engaged in other tasks.

In my experience, CW is much more effective than SSB when you're using modest power and modest antennas. With 60 watts and inverted vee dipoles at moderate heights in trees, I can usually work anybody I can hear on 20, 17, 15, 12, and 10 meters. With SSB, I'm much less likely to make a contact. There is increased competition from other operators and many SSB operators, being used to "armchair copy" simply don't respond to weak or modest signals.

Most CW ops listen carefully for weak signals. I've worked many people who gave 439 or 429 reports, while I was operating at QRP Levels. This skill of being able to copy signals which are just about the noise level is an important one for the stateside CW operator to acquire. Many CW ops in rare DX countries are running barefoot to wire antennas. Unless propagation is ideal, their signals may be very weak. In fact, one productive rule of thumb to follow in searching for DX is to ignore the big signals and aggressively seek out the weak ones!

CW DXers, as a general rule, can work far more people in a given period of time than their SSB counterparts. Exchanges are concise, so it's not uncommon to hear an experienced operator work two or even three people a minute.

You don't have to be real fast to work experienced DXers. It may take you several minutes to catch his complete callsign but then you're ready to roll. Thereafter, you often only need to be able to copy your own call and the signal report he will send back to you.

Here's the kind of brief exchange that might occur. 7P8 is Lesotho, a tiny country landlocked inside South

Africa, with only a handful of hams::

The DX op: CQ CQ 7P8XX K

Me: AA3LM DX: AA3LM 569 BK

Me: BK 579 AA3LM TU DX: U 7P8XX QRZ

It's all over in seconds, but both stations have exchanged calls and signal reports, and the Lethoso operator is ready to "give" his country to another DX chaser. TU is "Thank You".

There are several variations on this basic quick exchange. The Dx might ask UR NAME? or UR STATE? Periodically he will send his QSL info if it's other than bureau or callbook. Listen to a few DX operators and you will soon get the drift of what's happening. Then send your call when you hear the end of an exchange. Don't be bashful! And don't give up; it may take a while to be recognized, but it's likely to happen much quicker than on phone, where competition is fierce and the exchanges often long winded. If you miss what the DX op sends back to you, send AGN PSE QRS. DXers are friendly folks, who enjoy helping others.

There is a special beauty in the operating precision and unselfishness of the people in exotic countries who help other achieve rare contacts. Just because the exchange is brief doesn't mean that it's meaningless. I've learned much about history and culture by being a DX chaser. After I work a new country I read about it at length from the encyclopedias at the local library. I also send a little piece about my QTH with my direct QSL cards, and I've often received personal messages back with the DX op's QSL.

Give CW DXing a try. I hope you'll find as much joy with it as I have.

(AA3LM lives in SE PA and has 106 countries confirmed in 2 years. He was N3LCU prior to earning Extra last May. Colin is 53 and makes his living doing custom residential painting). Thanks Colin!!

### Sunday QSO Party

Well, it was bound to happen sooner or later. Don **KC4UUG**, host of the Sunday QSO Party has decided that after three years he deserves a vacation. I am deeply grateful to Don for his years of dedication to FISTS. His perseverance with the QSO Party has caused it to grow from a couple check-ins to a marathon length all-day event! Shy newcomers appreciated his QRS and patience. His sense of humor is legendary!

Don has asked Scott **KE3NV** to step in while he takes some time off to go fishing, watch football and generally catch up on his life and friends off the air. Don assures me he isn't abandoning FISTS, he intends to remain active in the club and resume the Party in the future after he's had a chance to unwind (and football season is over, hi).

Our thanks to Scott for agreeing to help out, and as always relays are needed and more than welcome. Scott intends to keep the party pretty much as it is, for now. When checking in, remember that the speed of the fleet is that of the slowest boat! QRS!

### A.R.T.S. CW Traffic Net

Another traffic net you may want to try is the Amateur Radio Telegraph Society CW traffic net which meets on 7061 +/- QRM Mon-Friday and 10.120 +/- QRM Sat and Sunday at 8:00AM Oklahoma time (Is that Central Time?).

James **KF5A** encourages the timid to jump in, he says they can't hear any mistakes because they are busy making their own, hi! They have a full course training program consisting of 166 training messages which apply to all modes, not just cw. They will train any and all comers, and WILL find a frequency for you!

They also put out a nice newsletter, from which I quote this little poem:

#### PROGRESS

My eggs don't come from chickens,  
My butter's not from cows.  
My food's full of preservatives  
The FDA allows.  
My salt is just a substitute,  
My cheese contains no fat.  
My drinks are dietetic,  
And they taste a little flat.  
My bread is full of vitamins;  
It's dark and made of wheat.  
My cereals are all whole grain,  
And they are never sweet.  
Men liked their women padded  
In the days when I was thin;  
But now that I have added curves,  
The skinny look is in.  
And sometimes, when in retrospect  
I view the hand of fate,  
I really feel that I was born  
One hundred years to late!

*Not to mention that 100 years ago, you could get a job sending Morse code! Those must have been the days, hi!*

#### Tin Can FISTS

Jack #1585 mentions a net that some FISTS members may be interested in: the Tin Can Sailors Net. It's a net for the Navy Tin Can sailors (Destroyers). They meet every Sunday on 14.255 at 1600 EST.

#### More Notes

*Thank you to those who have sent in photos for the FISTS Book! Please take a minute to scrounge up a head shot and send it in! The book cannot be a success without EVERYONE pitching in.*

To the Retro Radio Renegade, Grand Master of Trolls: I've sent your complaint off to Marshall, the OM who wrote the article.

Maggie **WP2T** spoke with me via telephone and she wants me to express her thanks to all who have sent support their way during this hurricane crisis. She is having some problems with stress related memory loss and emotional trauma but will get on the air and thank everyone personally when she can. Last heard, Debby **NP2DJ** is still in the hospital awaiting skin grafts.

## News from Geo and the DX Group GREETINGS

Hi folks. September was a little stressful. Keynote was delayed for a number of reasons, from delay in receiving Nan's NA Memo to health problems. I got a lulu of a cold which kept me out of the cellar for quite a long time and in company with just about everyone in the UK who owned a computer, I bought and installed Windows95 which caused one or two problems. There was another consultation with Compuserve asking why my Zoltrix modem was not behaving as it should do. This resulted in a new initialisation string which worked fine first time but went into a performance slide and caused the usual problems. I am still getting through to Nancy but am having to have as many as 10 separate attempts. Currently I am trying to get Windows to install an internal modem which my friend Ernie, GOVNV, finds is surplus to his requirements.

Thus far I have had two logs for the Straight Key week. One of them nominating my-self as FIST OF THE YEAR which I fear is out of order. Thanks all the same - t'was a nice thought. Hi.

With some thundery periods, the bands were awash with static crashes but the stronger signals on 80m during the evening rode over this and there were some very nice natters.

### IY4M

Oh how embarrassing. HA5BR asks for info on the chatterbox and since re-organising the computer, I have lost this info. If anyone out there has this info can they pse let me have it asap. I wouldn't care but I had actually gone to the trouble to print a graphic showing some humanoid robot with cans and 'hand' on key!

### NOVICE QRGs

The US gang are in need of comprehensive information regarding the frequencies allocated to Novice licensees globally. It would be appreciated if you could advise of these outside the UK or NA and perhaps the easiest way to do this is to send a short packet message or alternatively, contact a ham who has packet facilities and ask him to QSP the information for you. I think that generally, the frequencies throughout Europe are generally the same as those which apply to the UK but there may be variations. The reason for this information will be communicated to you in the course of time but please take as being of some importance - the number of packet messages is of no importance so don't be frightened of possible duplication of info. My packet address is G3ZQS@GB7HVV.

### ODDS N` ENDS

GW4PWQ was unearthed the other day and it turned out that he is one of those people who are successfully running indoor antennas. His G5RV/2 in the attic was doing justice to the IC747GX with 40w.

OCT 1995

FISTS MORSE CLUB NEWSLETTER

Russ W1CFZ reports on a QSO with Maggie when the hurricane was only 20 miles from Virgin Islands. At that time, the lass was still aboard her boat and I look forward to info from Nancy as to exactly how Maggie fared.

Much confusion with weak sigs from KS4UV. Nancy missed his preference for "ED" as name on air so I used his Sunday name "Charles". All sorted nw. Hi.

During the day, condx on 20m were very much down but I pulled a number of the NA gang as you can see including N3NNH. With better conditions however PM sessions from here are a leisurely affair where DX stations operated mainly by retired members roll in one after the other for a rag chew. This a delight which has been denied for a few years now with the bands opening only for short periods later in the evening.

G0HIS was discovered running a Sandpiper 5-band Vertical on 20m. This happens frequently between us despite the fact that the moorland screens his antenna from mine with at least 200 feet of soggy peat so I can hardly describe it as ground wave. Is it possible I wonder that we are getting VHF-like bounces? An absence of QRM produced 100% copy with what can only be described in RST terms as 519.

You are 449 I said when called by G4PPG. Since he was generally rising above the racket on 80m, this was of little concern to Jim because he was running only 500mW. Nice signals for the flea power mate. Hi. I managed to get the final call from GB0EHS before the custodian of Scarborough Castle raised the bridge, dropped the portcullis and left Roy, G4SSH stuck in the ruins. Hi. Hope you got plenty of customers of the FISTS variety Roy.

### PENPAL WANTED

Our aims and aspirations appear to have been somewhat distorted at least in the eyes of a young lady from Russia.

"My name is Nadya. I'm 13. I be keen on musik and English. I would like correspond with girl. I learn at the school N5. I like to learn. I like the cats and dogs. I live in the small town. His name was Volzhsk. I hope to find good friend. Good-bye! I am looking forward to hearing fromyou soon".

All this is signed Nadya Badanova so, if any of you Dads/Mums out there have a YYL about the same age or perhaps Grand-daughter or Niece, we drop our cw flag temporarily in favour of a pen-pal club with the address: Nadya Bodanova, Lenina 189-6, VOLEZHISK, Mari Republic 425000, Russia.

I note from the envelope that she is the daughter of a Ham, UW4SA but sadly not on my database. It would perhaps be advantageous for a young lady studying Russian or simply happy to help Nadya out with her "English".

### The RA Decision - What Does it Mean?

Most members will be aware by now that the Radio-communications Agency has told the RSGB that it will

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support any proposal to delete Radio Regulation 2735 at a World Radio Conference. However, many will not be familiar with that regulation and what its deletion will mean. The actual ITU regulation reads:

"2735. Any person seeking a licence to operate the apparatus of an amateur station shall prove that he is able to send correctly by hand and to receive correctly by ear texts in Morse code signals. The administrations concerned may, however, waive this requirement in the case of stations making exclusive use of frequencies above 30MHz."

Note that there is no speed specified and nothing laid down about how the test is to be carried out. This is why the Morse test varies so much from country to country.

Note also that there is no other ITU regulation relating to amateur radio. Take away the Morse test and in theory (and probably in practice in some countries) it would be possible for anyone to obtain an amateur licence without any form of examination, simply by paying a fee.

This is unlikely to happen in those countries which already have a well established amateur community and examination structure, but it could certainly open the doors of the hobby elsewhere in the world.

It can be argued that if the Morse test is abolished, existing Morse enthusiasts will still continue operating and nothing will be changed on the bands. Initially, this is true, but the intake of new operators will virtually stop overnight.

At present every potential HF operator has to learn Morse. The vast majority forget about it as soon as they pass the test, but there are others who, having taken the trouble to learn it, decide to try the code on the air, and then take it up enthusiastically.

If the Morse test goes how many people will decide to learn Morse voluntarily? There may be a few, but the intake of newcomers to CW will virtually dry up. In five years time, as existing operators leave the bands, for whatever reason, it will be noticeable that numbers have gone down. What will it be like in ten or twenty years time? And with diminished use of CW what pressures will there be on our frequencies from other modes?

There are other implications too. There will no longer be a demand for Morse classes or slow Morse transmissions for learners, the RSGB Morse test service will collapse overnight, and a whole industry providing Morse equipment and services will go into decline.

Additionally, there will be problems in maintaining international reciprocal licensing agreements if some countries retain the Morse test and others drop it.

An important question is, if the Morse test goes, will the HF bands be open to all? The RA has said that if RR2735 is deleted, it will make no change until it has discussed "other options" with the RSGB and the CEPT. Presumably this means some other requirement to replace the Morse test, but no-one knows what this means at present.

The RSGB has protested that the Radiocommunications Agency's decision goes against the current policy of the International Amateur Radio Union (which neither proposes nor supports any change to the regulations at the present time) which has been agreed by all three IARU Regions. It points out that the RA has also ignored the results of the recent RSGB national survey which showed a 67.5 percent majority in favour of keeping the Morse test at present, and that the RA has based its decision on correspondence it has received from individual amateurs.

The RSGB feels that any proposal for change should come from within the amateur service itself and be discussed and agreed by the IARU so that a smooth and coordinated change can be made. It asks the RA to reconsider its position, "which if pursued will not only affect the UK, but will also undermine one of the established cornerstones of the Amateur Service Worldwide."

So will the Morse test be abolished, and if so when? The position is that the New Zealand government (against the wishes of its national radio society, NZART) has proposed to the ITU World Radio Conference due to be held in October/November this year that RR2735 be suppressed. It is not an agenda item and is intended to arise from another item, which is on the agenda, concerned with simplifying the regulations.

Approval will depend on whether the conference agrees to discuss and vote on a non-agenda proposal, and if it does whether there is a majority in favour of it. New Zealand has been canvassing other countries, but apart from the UK it is not known, at the time of writing, if any other countries support them.

Whether we like it or not, a movement has begun in official circles to remove the Morse test which will eventually win the day. The best result for us would be a referral from the WRC to the IARU asking it to come up with proposals for change acceptable to the world amateur community. That would give CW organisations the opportunity to press for the retention of the test in some form, perhaps as one of several ways to gain HF operating privileges?

Additionally, clubs will need to consider how they might attract newcomers to CW on a voluntary basis. But that is a subject for discussion later, once we know what has happened at the WRC!

Can I mention that we have been covering this controversy in detail in *Morsum Magnificat* for months. If any members of FISTS feel a need to be kept up-to-date on what's going on in the World of Morse outside the shack, they should consider reading MM. There are details about our magazine in every Key Note! Tony Smith, G4FAI, FISTS 029.

I am grateful to Tony for the above article. It is of course of some concern to all of us and no-one (even class B licensees) would want to see the HF bands awash with the kind of bimbo now prevalent on the 2m FM band. In the amateur radio world, you will find most countries imposing proper and necessary control over the activities within our frequency allocations.

The NZ government I feel is as indignant about the imposition of regulations from outside their borders as most EEC countries when they view some of the petty and ill-conceived EEC directives. There are however other directives which are both good and necessary. In just the same way you would find it desirable that wherever you went in the world, a medical practitioner should hold the necessary qualifications following appropriate training and education or that the authorities ensured that road users were competent and not a danger to you, so the participants in a global hobby should be under constraint to operate with consideration for other users.

Most countries encourage some sort of discipline. Other countries however (mainly Latin American though Canada is not exempt from this) seem content to leave the amateur to go his own way. Listen to 40m in Florida during the evenings and you will find it choc-ka-block with over-driven SSB transmissions from 7.00 upwards with virtually 100% Spanish language in use. Spend some time on the same band in Michigan and you will hear SSB nets running from 7.020 upwards emanating from Canada. There is a crying need not only for RR2735 but for rigidly imposed privilege requirements globally. The removal of the regulation leaves governments with an easy opt-out. On a more sinister note, it leaves them vulnerable to commercial pressure in order to sell high powered, multi mode equipment to a rapidly growing population of radio amateurs.

Where does this leave CW? It leaves us wherever we choose to be left. Since the days of provisional licensing (the licensee had to prove a substantial measure of CW activity to endorse his ticket) the mode has remained popular because of the carrot rather than the stick. You need proof of this? Look at the millions spent by amateurs on cw oriented equipment. Keys, keyers, keyboard senders, tutors and even cw decoders (yeuugh). It represents a wide and sustainable market. Just carry on doing exactly what you are doing now. Stress the advantages of the mode and the sheer joy of those magic dots and dashes but above all, USE THE BANDS - USE THE MODE.

### NEW MEMBERS

Please add the following to your lists:

G0VDI John G4WTDColin G0VCW Richard  
G4KLQ Edd 2M0ALU Jim 2E0AJE Paul  
G0WJO Peter G3RSP Alan PA3BJAD Bram  
ON4BBA Jempi G8RVW Steve G0VTH Ron  
G0VGF Dave They are numbered (L/R) from 1840

### CENTURY AND QSLs

Say, if you have a letter for me then by all means include QSLs but otherwise you are better off sending 'em direct to G0FRL whose address is on the banner. Just to clarify the requirements for the Century. You need 100 points based on 1 point for a member within your own continent, 2 points for others and a bonus (claimed once only) for GX0IPX or GX0IPX/P. Once  
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you have claimed a member on any band then that is it - you cannot again claim the same member for a second award and the same call cannot be claimed for other bands.

What we are trying to do is to encourage you to work as many members as possible and remember that new members are appearing all the time so you have plenty of opportunities. We find a few claimants who list 100 calls for the claim when in fact, they could probably make up their required 100 points with far less than this and still have some left over to start another one. We do drop members if they have not renewed after due warning but as long as you worked 'em when they were valid members then that is all that is required. We cannot monitor these claims too closely because of the time and effort involved so it is very much a case of trusting to your own integrity. I don't suspect any members would deliberately falsify a claim but if they did, then they would only be fooling themselves.

Bob also mentioned that he is getting requests for listings. In this case, he will forward the last listing he got from me. He does not have the same font available that I use for listings so when he calls to pick up the newsletters for onward despatch I print out an up-to-date listing for him and he simply photocopies it. Given a little time, I will probably be able to dig up a mono-spaced font of the correct characteristics so that he can complete up-to-date listings on his printer but even then, we will have to wait until Bob acquires a modem so that we can up-date the databases on a regular basis.

Don't worry. We are not as much out of touch as you may imagine. New members for instance are passed to Bob by phone and he usually deals with them the same day. Similarly, Century awards arriving here are also passed across for him to process.

I know that some of you have requested addresses - principally for NA members. There seems to be a healthy volume of snail mail twixt UK/EU and N. America which has included badges amongst other things. Hitherto, addresses have been given freely and whilst I applaud and encourage the development of social friendships, I should not have been doing this. It may take a little while longer but further enquiries of this nature will result in a brief E-Mail message to Nancy who will contact the member concerned asking for consent to disclose this information.

### OPERATING TECHNIQUES

When I call CQ, I use "CQ" only once thus: CQ de LA1IE LA1IE LA1IE repeated a few times then AR K. Why not the usual CQ CQ CQ ... ? Well when you hear a CQ call, what is the most important element? The call sign of course. Anyone can recognise CQ but was it LU1IE, LA1EE, LA1SE ? Many times I use LA1IE only twice, listen in between and if there is no answer then I send "NIL". This out of courtesy to my fellow amateurs indicating that the frequency is free or, if someone did reply then I did not hear. If I am



good strength with him then he may have a wee look at his TX frequency or perhaps his "SPLIT" button, RIT, or VOX. If you are not in too much of a hurry then listen for a while after you have finished calling. Many times I have heard the tail of someone's CQ call and I have not been tuned with my TX on the right band and after 5 to 10 seconds when I've been ready, he is gone.

Then there is the CQ DX call, something I very rarely use because I know that with my low-slung wire antenna it is more fruitful to listen and listen. I hear this FISTS member whom I've never worked. He is calling CQ DX then silence. Did he get an answer, did someone give him a long call at slow speed? I don't want to goof up his DX work so I lose him. But if he sent "NIL" after his last call then I would call him and we would both have a new friend in the log.

When I hear someone calling CQ or CQ DX a dozen times or more without giving his callsign, I sometimes think "if he is so reluctant to give away his call then he can keep it."

Thanks for the obs Otto. Yup, I frequently use only one CQ v 3 x GX0IPX. The clue here is that if the terminal phrase is AR K rather than AR KN you can divine that the station is calling CQ. Anyone happening upon a single GX0IPX K will therefore know that I am not already in QSO and am making a general call. These days, I never send more than a single CQ de 3 x Call. I listen and if no reply then another short CQ sequence and so on. It is far more productive than an interminable sequence of CQs. Also, the initial call is usually sent on the pump handle with QRS. If I am answered by a QRQ station then I can soon revert to the keyer. The cost here is that the other guy may well maintain QRS thinking that it is your preference but this is a small price to pay when there may be dozens of listeners to whom anything above 18 wpm is just a blur.

## LABELS V RUBBER STAMPS

Most of you will be aware that I was having a lot of problems with the suppliers of the rubber stamps and resolved to provide personalised labels as an alternative. I hope that most of you will find a sample on your envelope with this letter of a label that is about the best that can be offered at reasonable cost.

My ideal of a pre-printed logo on the labels has been dealt a bitter blow because the cost would be prohibitive - they are talking in terms of 5p per label - but running them in the manner you see is not only much more straight forward, it is also much less costly.

They come supplied as 65 labels per sheet and guessing the demands on toner and leaving a little to enhance the funds, I reckon that £1.00 per sheet (the labels then would be 0.65p each) would be about right. For the moment, a maximum order of 5 sheets please because I know these are going to be popular and at the present time I don't want to get too bogged down with them.

I have ordered ten boxes with 100 sheets per box in order to assure a ready supply and also to avoid a delivery charge of £7.50 for quantities less than this.

This is a non-standard label size which was available from my local stationery supplier but since the die was already available, the normal charge of £180.00 to £200.00 for this has been neatly side stepped.

## THE STRAWBERRY BASKET

**G0UPS.** Paul is planning a trip to DL and was hoping to operate as DL/G0UPS/P but squeezing the rig into his suitcase would have left him with room for more than a shirt. Thinks ccw could well be a shot in the arm for devotees of Morse. He operates QRP during the evenings whilst XYL is watching the soaps thus avoiding unnecessary domestic strife. Hi. **GW4IGQ.** Gerry finds it hard work on the pump with arthritis in hands and wrists but fears that if he does not persevere, the damage to his confidence may put an end to his activities. Confusion re his name. OM was known as Reg (his 2nd name) but workmates refer to him by his fathers name. Mother and school friends know him as Gerald or Gerry. I'll tell you something Gerry, My first name is Eric but I never did like it. In the Navy, because of an orthodontic similarity to the famous Mr Formby I was dubbed George. I didn't object and it stuck. Hi. **E15FY.** Bill had a brief association with Don, G3HZL when QRV from Inishbofin as EJ4MFT. Check back through the log Bill. Mebbe there were FISTS in there that you did not recognise. **G0VJK.** Mike sends me a copy of a letter he sent to the Mr. Louth at the RA. This business was thrust upon us far too suddenly for wide-scale action though I am sure the RA will have received other letters of condemnation. Insufficient space to reproduce here Mike but I thank you and others who have followed your example. **G4RWP.** Eddie would like to suggest 10.120 for 30m FISTS starting QRG. This is noted and either the banner will be modified to include it or a regular reference will be made immediately following. **HA5BR.** Thank you Pista - the green stamps are fine and as soon as I get some info on IY4M you will get it. I'm kinda mad because although it was moved from the hard disc, I know there was a floppy backup somewhere but if it is in the shack then it is virtually lost. You gotta see the state of things here to believe it. Hi. **LA1IE.** Otto also includes green stamps to balance up a big blue one. When Keynote arrives, he sits down with last years Christmas present from his daughter - a Websters Encyclopaedic unabridged dictionary - but it must be frustrating not being able to find a reference to some of the colloquialisms so my grouse about some unreadable Swedish tickled him. "Serves you right" Hi. The old exclamation mark was re-allocated as the comma long before WW2; the comma was used as an exclamation mark at least into the 60's and it could still be interpreted thus but that was only on 500KHz with distress ttc. If anyone made QRM you would hear QRT DISTRESS and then the comma cum exclamation and in that



particular context it was fitting. Barred SN used to mean understood but today it means nothing, the advantage being that it cannot be misunderstood for anything else. He sends SN whilst rummaging round the desk for his fags - I send it whilst I am suffering QRM from Ivy. Hi. **G0TUE**. Ray has spent the last couple of months chasing 2xCW QRP countries and that is only half the battle - getting QSLs is the other half though he now has 30 countries confirmed 2-way QRP. Know what you mean about QRO on QRP frequencies Ray. Some folk are just not prepared to accept it. Ray includes his address for publication if any members would like to contact him for QRP skeds: 23 Bankhead, Haverigg, LA18 4LZ. **G4IXL**. Long letter from Bob who QSLs a recent 80m QSO with yours truly. First appearance for yonks because of a neighbours' sensitive Beetamax VCR. Like himself, the neighbour attended Harefield for a piggy back heart but weighing 20 stone (280 pounds for the benefit of US members) and being a 60 per day smoker, the result was inevitable. His home QTH is the old RAF Hendon, hundreds of terraced houses and flats with flat roofs gave weather problems and the local council's answer was to fit each with a dummy pitched roof. Restricted to a 20m multi-band loop at home QTH but at present /P dog/house sitting for wandering friends with 1/3 acre of land attached to their bungalow. He's having a ball. Hi. **G0NOB**. Lionel is using the backstay of his sailboat during kindlier wx with the vessels guard rails plus a copper plate fixed to the hull as a sea-water counterpoise. Now why can't I find him /MM? Thanks for the non-slip mat Lionel - I like it. **F5LAW**. A success story here because Yann contacted VK2SPS per snail mail and is now in receipt of a bathtub key. On 40m Yann, you will find myself and others around 7028 whilst on 80, preferred QRG is either 3558 or 35670. Always SK on the latter. **G4UEW**. Finding the computer interesting but sometimes mind boggling, Dave's activity has been curtailed. He is however active each weeknight at 22.30 with a local sked on 144.070. Anyone within hailing range of Ormskirk is invited to call in and join in the fun. **2M0ALU**. New member Jim has been a loner since early July knowing nothing about FISTS. He even got some strange looks from his local club members when he expressed an interest in CW. Open house in Dregghorn for anyone who Jim can help. **G4KLQ**. Edd, another new member looks back to 1936 in the RN where he learned his CW - you are my senior by 9 years Edd - and now runs modest gear (a C22 plus a couple of home brewed QRP and 84' top doublet with ribbon feeder. You're welcome Edd and my RNARS Nr is 575.

### FINALE

Zassabout all people. Assuming I get a little spare time, pse hark for me on 35580 or thereabouts. 73/88 es stay sober de Geo.

I ran out of space this month for news cuz I wanted to print the DX list! Keep the mail coming! Thanks and 73 88 de Nancy

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## UK-EUROPE-ASIA

### Other than North America Listings

RW3AA	SLAV	0824
DL8ABH	WOLF	1364
ZU1ABV	JOAN	1696
2WOACD	PHIL	1187
G0AEC	ESDE	0878
LZ1AF	DIMITER	0416
PA3AFF	PIET	0445
2EOAGQ	BRIAN	0990
UA3AGW	DIMA	0729
G0AHJ	DEREK	0117
G3AHS	DAWSON	0265
2EOAIR	TONY	0872
G0AIV	ALF	0403
2EOAIZ	TOM	1692
2EOAJS	ALEX	1813
SV2AJX	PACO	0771
G2AKK	BILL	0002
ZS6AL	VIDI	1699
G0ALH	STAN	1671
UA0AMW	GEORGE	0836
ON4ANE	BERT	0435
ZL2AOH	RALPH	1073
G0AOL	GILL	0280
UA4AQO	SERGE	1180
SP7AQR	STAN	1321
DL7ATL	MANFRED	0418
G0ATS	ELAINE	0331
G3AVL	BOB	0931
G1AWJ	JOHN	1195
G0AXE	MIKE	0361
ZR6AYS	GREG	1800
9HI AZ	GAET	1689
LY3BA	GEDAS	0984
GM4BAE	GERRY	0683
GI4BBE	REG	1188
GD0BCM	WALTER	0870
ZR6BDW	BEN	1695
SM5BDY	EVERT	1337
GI0BEY	SCOTTY	1184
G0BGI	STAN	0736
PA3BHK	ROBERT	1377
G4BJM	FRASER	0044
JP1BJR	HAL	0325
G4BLI	ALAN	1637
G0BNS	DICK	0532
GW0BOJ	HOWARD	0689
G0BQV	MARY	0040
HA5BR	PISTA	1059
G3BRR	JIM	1063
G3BSK	MAX	1666
EI9BT	DERMOT	0015
GM0BUH	ALEX	0076
G0BUR	ROY	0523
G0BWG	JOHN	0238
G4BWJ	BARRIE	1378
G0BXV	DAVE	0261
LY3BY	VILMAS	1811
G0BYG	JIM	0089
G3BYX	DES	0581
DL3BZZ	LUTZ	1640
GI4CBG	ROY	0161
G0CEK	FRED	0334
3B8CF	JACKIE	0951
GM3CFS	JIM	0356
G0CGT	BRIAN	0702
G0CHV	MIKE	0090
G0CIJ	MIKE	0663
G4CMY	TONY	1626
ON1CN	RIK	0967
SV1COX	PANOS	1809
G4CPA	GEOFF	1644
GI4CRQ	KEN	1064

G3CSC	SAM	033
G1CUV	JOHN	166
G0CVH	VINCE	004
EW6CW	VAL	133
EI0CZ	BREN	063
F6CZC	LEONCE	137
G3DAC	ALAN	002
G0DAF	JIM	079
G4DAL	DAVE	007
G0DBU	ERIC	131
G0DCM	ARTHUR	028
G0DDI	PHIL	063
G0DEB	DAVE	038
G4DHz	PETE	098

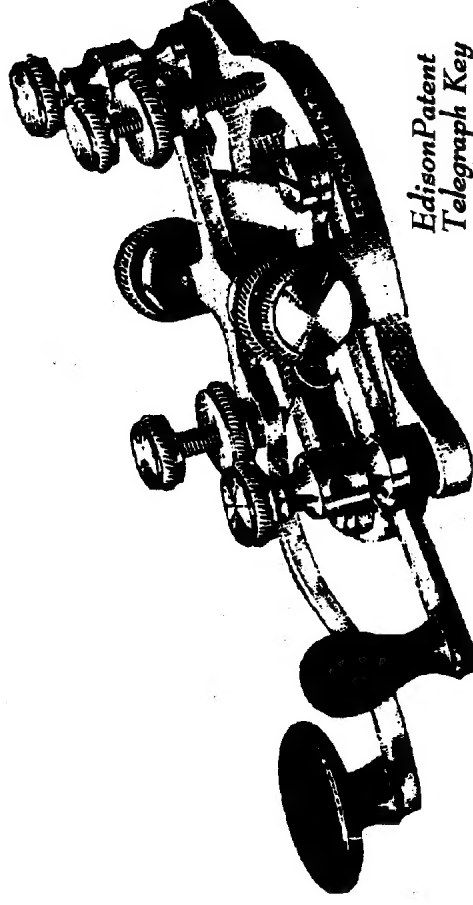
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GW0 DIX	RON	0740	GM7 GOD	RILEY	0847	G0 IOV	GORDON	1147	GW4 KUS	BERT	0856
G0 DJA	DAVE	1372	G0 GOD	JOHN	1604	GW4 IQA	REG	1116	G3 KWO	KEN	0006
GM0 DJI	DANNY	0312	G4 GOI	JACK	1100	G0 IRL	AUDREY	0510	G4 KXG	KEN	0938
GM3 DKW	JIM	0639	G0 GPM	JOHN	0412	G4 IRM	DEREK	0123	G0 KYC	ALAN	0513
G4 DNB	BILL	0058	G3 GPZ	PETE	0613	G3 IRM	PETER	1092	G0 KYO	JOHN	0707
G4 DNC	GEOFF	0071	GW0 GQC	BRIAN	0671	G0 IRO	BRYAN	1823	G0 KZA	ERNIE	0738
G3 DOT	JOHN	0718	G0 GSQ	GEO	0266	GW0 IRP	COLIN	0690	G7 KZW	STUART	1627
G3 DOV	DEREK	0175	G0 GSW	VICTOR	0042	G0 ISC	RENIE	0610	G4 KZZ	NIGEL	1821
VK7 DQ	JERRY	0957	G0 GTN	JOHN	0638	G4 IST	BILL	0991	F5 LAW	YANN	0752
ZS5 DR	DON	1802	G4 GUA	JOHN	0467	G0 ITS	ROY	0498	UA4 LFR	ALEX	1828
DL1 DRA	ACI	1077	G3 GUR	JOHN	1819	F5 ITU	DANIEL	1831	G4 LGA	DON	0642
SM7 DRH	CLEM	0973	G4 GUW	GORDON	0857	G3 IVF	SMUDGE	1614	G0 LGF	TERRY	1817
G0 DRT	PETER	0652	GW0 GUY	ELWYN	1685	G4 IXI	TREVOR	1141	GM3 LGM	BILL	0564
G3 DUH	CUJRLY	1156	G0 GVC	PETER	1096	G4 IXL	BOB	0165	GW3 LHK	GWYN	1125
TF3 DX	VILLI	1658	G0 GWD	ALAN	0817	G0 IYC	DENIS	0501	G0 LHZ	JIM	1155
G0 DXB	BILL	0132	DF3 GX	KLAUS	0600	G0 IYG	JIM	0839	G7 LIE	BRIAN	1370
G4 DYG	PETE	1182	DL3 GXL	LEILA	1820	G0 IZU	MIKE	0809	G4 LIM	GEOFF	1652
G2 DZF	JIM	0422	G3 GXQ	WALTER	0947	G0 IZW	DEREK	1302	GM0 LIR	PIP	0942
PA3 EBA	JAN	0827	G4 GYD	MIKE	1352	ZS6 JAN	JAN	1698	G0 LIU	GEORGE	0816
G4 EBK	GEORGE	0804	G0 GYY	PETER	1601	G0 JBP	ROBIN	0205	G0 LJB	PAUL	0493
G0 EBW	DAVID	0421	G0 GZK	LAURIE	0554	G4 JBQ	SIMON	0204	G4 LJU	COLIN	0099
G3 ECS	KEN	1335	G0 HAU	TED	0277	UA6 JD	VILAD	1385	GM0 LOA	JOHN	0121
GW0 EDC	BRIAN	0151	G3 HBN	JIMMY	1199	GW3 JEZ	BOB	0364	G0 LOE	STUART	0625
G0 EEJ	ALICE	0710	GW0 HCB	PAUL	0528	G0 JFD	GRAHAM	0477	G0 LPF	RICHARD	0960
G4 EEM	BOB	0724	GW0 HCN	TERRY	1058	G4 JHZ	LES	1322	G3 LPS	ERIC	1398
ZR6 EGW	ERROL	1806	GI3 HCP	DES	1311	G0 JIT	DICK	1136	G0 LOX	TREVOR	0425
G4 EIB	JIM	0372	G0 HDE	CHAS	0845	G4 JIZ	JESSE	0179	G3 LRB	STEVE	1171
G0 ELH	BOB	1397	G0 HDI	BRIAN	0620	G0 JJQ	WAYNE	0851	G0 LRE	LARRY	0750
DF4 EO	DIDI	0737	G3 HEL	JACK	1663	G0 JLQ	CHAS	0622	G3 LRP	PETER	1672
S53 EO	MIL	1098	GM3 HEN	TONY	0122	G0 J LX	ANDY	0358	G0 LSH	ALAN	0508
GM0 ERV	SHIRLEY	0107	G0 HFI	GORDON	0609	G4 JMI	BRIAN	0091	G4 LSI	JOHN	0368
G4 ETJ	REG	1394	G0 HGA	ANGIE	0041	UU4 JN	ALEX	0678	G0 LSY	JOHN	0196
G0 EUD	CHARLIE	0067	G0 HGG	GORDON	0930	G0 JNR	SHANE	1396	G0 LUY	GRAHAM	1360
G0 EVV	DAVID	0550	G0 HHL	PHIL	0429	SP6 JOE	JOE	0764	G3 LUZ	FRED	0444
G4 FAI	TONY	0029	G0 HIN	TOM	0069	G0 JON	JOHN	0774	G5 LW	ALEC	0682
EI2 FB	LIAM	1197	G0 HIS	DAVE	1071	IK7 JPJ	WALTER	1349	G0 LWI	FRANK	0901
DL8 FCO	WERNER	1183	EI5 HJ	GERRY	1079	G3 JPZ	IAN	1347	G3 LWU	DERRICK	1608
G0 FEI	KEITH	1348	G0 HJX	PETER	0819	G4 JRE	JOHN	0577	G0 LYY	JOHN	0696
UB5 FDM	JERRY	0832	G2 HKU	TED	0841	G0 JRN	ART	0295	G0 LZA	DEZ	0833
F6 FEQ	RENE	1670	G0 HLG	GORDON	0488	G0 JRT	TOM	0745	G0 LZL	DAVID	0587
G2 FFD	DAN	1149	GM0 HLP	IAIN	0535	G3 JTO	ERIC	0766	G3 MAM	DAVID	0497
I2 FGT	JUL	1051	GI3 HNM	CLIFF	1379	G3 JTS	TOM	1681	GW0 MAP	BOB	0935
G0 FGW	RON	0433	ZS6 HR	REON	1697	F5 JUD	AL	0697	G3 MCK	GERALD	0230
G0 FIP	ELLA	0215	G0 HRL	GERALD	0975	UA6 JW	HARRY	0820	G0 MCV	SANDRA	0555
UT9 FJ	SAM	0618	EI6 HS	PAUL	1313	G0 JWB	BILL	0385	G0 MBG	MEGAN	0518
G4 FJC	RICHARD	0988	G4 HSC	HARRY	1192	G0 JXS	CLARRY	0506	GM0 MFE	JACK	0603
G4 FMH	BILL	0996	IK2 HSW	HENRY	1388	G3 JXT	TED	1603	G0 MGD	DENNIS	0630
G0 FOD	NEV	0308	G0 HTX	TONY	0139	L21 JZ	TONY	1318	G0 MHE	BRUCE	1677
G0 FPS	RAY	0004	GM3 HVT	JIM	1628	G4 JZM	CHARLES	1688	G0 MJV	ALBERT	1357
G0 FPV	IAN	0946	G0 HXU	SIMON	0010	G0 JZU	ROSS	0679	G0 MKJ	KEN	1390
G3 FPY	ERIC	1331	GW0 HYC	BEN	0485	DL8 KAZ	DIETER	0593	G0 MLA	ERNIE	0606
G0 FRL	BOB	0390	GM4 HYF	GEORGE	0243	G0 KCA	JOHN	0200	G3 MLD	KEN	1091
G3 FTU	ROY	0502	G0 HYT	PATRICK	0220	G0 KCJ	ALAN	0602	G4 MLW	IAN	0130
RB5 FU	GENE	0792	PA0 HZH	HUUB	0558	ZS5 KD	BILL	1801	GI3 MMF	BILL	1613
G0 FUS	PAUL	0110	G3 HZL	DON	0410	DL3 KDT	KLAUS	1636	ON6 MN	MARTIN	1826
G0 FVS	JIM	0628	G0 IAL	ROD	0348	G4 KEW	BOB	0275	G0 MOU	DICK	0668
G0 FWC	DERRICK	1355	G4 IAV	BOB	1140	GW4 KFD	BARRIE	1616	HA2 MP	JANOS	0899
GD3 FXN	ART	0127	G8 IB	DUG	0882	G0 KHI	BILL	0706	G0 MRH	RON	1327
EI5 FY	BILL	0846	OE3 ICS	IGOR	1366	G0 KHY	JOHN	0487	G0 MRM	ERIC	0586
PA3 FZE	MALCOLM	1175	LA1 IE	OTTO	0249	SM7 KJH	CHRIS	0017	G4 MSR	JEFF	0357
G4 GBG	PAUL	0637	G0 IFM	COLIN	0728	G4 KJJ	JOHN	1630	G0 MTJ	JOHN	0873
G4 GBX	WANDA	0514	G0 IFT	PETER	1194	G0 KKK	DOUG	0466	G0 MVG	HERBERT	0760
GW4 GCB	PETER	0657	G0 IFX	BRIAN	0471	G4 KLF	TONY	1198	G3 MWF	RAY	1151
G0 GFG	MARK	0113	GM0 IGJ	JEFF	1356	G0 KLS	RON	1336	G0 MWU	BRIAN	0701
G4 GFQ	RON	0894	G0 IGP	TONY	0129	G3 KMG	DAVE	0124	G0 MYZ	MARIAN	0636
GM3 GG	GEORGE	1154	GW4 IGQ	REG	0086	GM0 KMG	BILL	0484	G4 MZS	TOM	0150
G0 GGE	PETER	0700	G0 IJE	DON	0509	G0 KMU	JOAN	0786	G8 MVZ	PAULINE	1160
G0 GGU	STEVE	0491	G0 ILN	RICHARD	0398	G0 KNJ	BOB	0463	UA4 NAL	KIRIL	0842
OZ1 GHN	JAN	1822	G0 IMF	ALF	0427	G0 KPB	TONY	0512	EL2 NC	KICKSON	1827
DL1 GJN	JEURG	0948	G3 INA	RON	0097	G3 KQN	JACK	0699	G3 NCL	RON	0168
G4 GJY	SID	1667	G3 ING	JOHN	1674	G0 KRT	ERIC	0133	G0 NDT	PAUL	0653
G0 GKE	LES	0197	G4 INM	TOM	0084	G3 KTT	ALAN	1308	G0 NEB	JOHN	0755
G0 GKH	DAVE	0034	G0 IOF	GRAHAM	0231	G3 KUL	DOUG	0840	YO4 NF	SIL	1330

G4NIR	DOUG	1121	GW4PXQ	GEORGE	0160	G3TFK	LES	1641	HE9VIZ	NICOLA	1659
GI6NIY	EDDIE	1612	GM0PKV	PETER	1057	G0TFV	TERY	1177	G0VJJ	STAN	1824
IN3NJB	BOB	1317	17PXV	VIN	1342	G0TGF	JIM	1621	G0VJK	MIKE	1647
IK0NKI	LUIGI	1052	GW0PZS	TREFOR	0976	G0TGU	BILL	1329	G8VL	IAIN	0890
G0NKO	KEN	0862	DK7QB	BERT	0362	G0THA	PETE	1174	G4VMV	RAY	0402
GW0NLB	SAM	0983	G4RBE	JACK	0174	G0THV	JOHN	1374	G3VNG	DAVE	1097
G0NNJ	SID	1386	G0RCB	TED	1687	G0THX	VIC	1634	G4VOJ	ART	0007
G0NNO	JOHN	0478	G0RCE	KEITH	1054	G0TIP	GEORGE	0940	G5VQ	ERIC	1679
G0NOB	LIONEL	0785	UB5RCH	VICTOR	0936	G0TKT	PETER	1126	G3VQO	LES	0874
GI3NQH	JOE	0945	G3RCO	CHARLES	1168	G4TKX	ARTHUR	1668	UA3VRP	VICTOR	1110
F5NQL	MAURICE	1816	G4RDM	PETER	0186	SM4TLB	PER	1673	G6VS	GEORGE	0267
G0NSU	GEORGE	1606	G0REA	ROMA	0895	G0TMZQ	NORMAN	1653	G0VSS	RAY	1812
G8NT	DICK	0426	G0REB	CHRIS	1164	G0TNY	TONY	1669	DJ2VT	GEORGE	1605
ZS6NT	DWIGHT	1805	G4RFS	STAN	0229	GD4TOW	KEITH	0898	G0VTI	TERRY	1807
G0NTR	JIM	0265	G3RGE	KEN	1662	G0TRO	NESS	1323	G3VUN	GLORIA	1620
G0NUP	KEVIN	0796	G0RGO	MALCOLM	1134	F5TRV	ERIC	1832	G4VVK	BERNARD	0838
G0NVP	PENNY	0704	G0RGV	RICHARD	0981	G3TTH	TEX	0995	G4VXJ	LEN	0292
G0NVY	PETER	1316	G4RHP	LEN	1362	G0TUE	RAYMOND	1191	G4VXY	DAVID	1099
G4NXN	TERRY	1104	G0RIJ	BRIAN	1193	G0TUJ	WALT	1139	GI3VYY	BRIAN	0900
G3NYA	DAVE	1061	G3RJV	GEORGE	0428	G3TUX	CHRIS	1307	G0WAU	JILL	1690
G0NYZ	STEVE	0982	ZS5RK	ROD	1804	G3TVI	ROD	0747	G4WBN	TREV	0381
G0NZL	JOHN	0773	G0RKT	DAVID	1066	G0TWN	DAVID	1334	G4WCE	PETER	0660
G4NZU	RON	0309	ON6RL	GUIDO	1080	G0TZV	GORDON	1392	G3WGL	NOLLY	1633
GM3OAV	DOUG	0562	G0RLW	ALAN	0902	G0TZW	JOHN	1332	G3WII	FRED	0559
G0OBU	KEITH	1615	IK2RMZ	MARTIN	0853	G0UBE	JOHN	0934	G4WKG	ROB	0079
G7OCV	MARTIN	1648	G0ROT	MIKE	1056	G0UCK	BARRY	1344	NLSWL	BRIAN	0440
DF8OF	SIGI	0949	G4RQA	TOM	0036	G0UCQ	PHIL	1319	G4WNA	TONY	0598
G4OHX	SAM	0455	ZS5RR	ROSE	1803	DL6UDX	WOLF	1181	G3WNI	BILL	0413
G0OKZ	JOHN	0780	G4RSK	GORDON	0030	ON5UE	DANNY	1825	G3WP	JACK	0310
G0ONS	JIM	0741	G0RSN	RICHARD	0869	G0UEE	PETER	1358	VK3WQ	MARLENE	1359
GW0ONU	DENNIS	0591	G0RSU	GEOFF	1150	G4UEW	DAVE	0584	ZS1WT	WILF	1694
G0OOD	TIM	1350	G7RTI	KLAUS	1325	G0UFF	ROY	1382	OE6WTD	DIETER	1068
GX0OOO	VARIOUS	1000	G0RVO	DAVID	1102	G0UFT	KEV	1650	G5WW	PAUL	1345
G4OOS	JOHN	0812	G4RWP	EDI	0286	G0UGZ	LEN	1353	G4WWQ	DAVE	1056
G0ORD	ERIC	0963	G0RWQ	NIGEL	1619	JA7UHM	MASA	0018	G3WWS	MIKE	0604
G0ORS	CHARLES	0852	GW3SB	CHAS	0345	G4UHM	STEVE	0304	G3WWT	JOHN	1114
G4OSB	TOM	0579	G0SBH	TED	1655	G0UJD	MERV	1680	GI4XFS	LYN	0464
G0OSR	OLIVER	1178	G0SDA	COLIN	1172	G0UKX	RAY	1618	G4XHE	RICHARD	1365
G4OTN	COLIN	0028	G0SEF	DAVE	1129	G4UKZ	RAY	0148	GI3XHL	NOEL	1354
G0OUI	BILL	0888	GW0SFO	KAY	1105	G0ULB	DON	1649	G4XHZ	FRANK	0008
G0OVZ	SHAUN	1368	G0SFV	DAVE	1161	G4ULT	LES	0675	G4XJU	LAURIE	0153
G0OWS	JIM	0822	GW0SGG	BILL	1602	G0UMN	JOHN	1678	G3XMM	TOM	1395
G4PCE	RICH	1693	DL0SGS	SCHOOL STN	0956	G0UOM	NORMAN	1369	G4XOC	PETER	1645
GI0PCU	DAVID	0831	G0SJC	CLIFF	1391	G0UPS	PAUL	1651	G4XPE	MIKE	0100
GI4PCY	FRED	0156	G3SJE	JOHN	0391	G0UPU	ROGER	1643	GW4XQH	JOHN	0576
G0PDM	MIKE	1343	G0SJU	SAM	1185	G0UQE	BERT	1815	G4XUZ	RAY	0777
G4PDQ	JOHN	1159	G0SKR	JOHN	1115	G0UQP	GRANT	1383	G5XV	RON	0871
G0PEH	TONY	1657	G0SNE	ANNE	1123	G0URM	PETER	1632	G4XVE	JOHN	0342
G3PEN	DAVE	1303	GM0SMT	ALLAN	1610	GW0URS	FRED	1328	G4XWV	MAT	1660
GW0PJX	CHRIS	0950	G4SOO	HAROLD	0767	G0URX	DAVID	1351	G4YEP	TED	0020
G3PKX	DON	0257	G4SPK	ROBERT	1623	GI0USC	JOHN	1387	G4YFD	FRANK	0486
G7PMH	RON	1624	VK2SPS	STEVE	1399	G4USW	BILL	0405	G4YJB	RON	0601
GW0PNC	HARRY	1106	G0SQF	JOE	1384	G0UTL	ALAN	1393	G4YLB	JIM	0492
GW0PNI	DAVE	1053	GI4SRQ	GEORGE	0662	G0UTR	DAVID	1629	G3YLL	RON	0282
G0POJ	JUDY	0883	GI0SSA	KEITH	1304	G0UUA	WARWICK	1683	G3YLT	TOM	0489
G3PPD	STUART	0977	G0SSG	REG	1169	G4UUV	PETER	0376	G4YNU	JOHN	0073
G4PPG	JIM	1189	G4SSH	ROY	0999	GW0UWM	JOHN	1810	G4YRS	GERRY	1326
G0PPI	DEREK	1639	G0STR	BILL	1609	G0UXK	PAT	1622	G3YXJ	DANNY	1305
G4PPK	CLIVE	0244	GI0STS	RONNIE	1661	G0UYK	JOSEPH	1324	G4YYW	DAVE	1600
G1PPK	JOE	1375	GU0SUP	PHIL	1635	G0UZH	STEPHEN	1829	G3ZDD	DEREK	1312
G4PPV	GRAHAM	0134	G0SWT	LEN	1642	G0UZI	PHIL	1638	G4ZFT	MARY	1162
G4PQG	RALPH	0634	G0SWU	PETE	1389	G0UZQ	PETER	1691	LA6ZH	RUTH	1314
G0PQU	CYRIL	1676	GW0SXE	JOHN	1101	GW1VAW	BRIAN	0420	G4ZIB	TONY	0811
G0PRD	PETE	1179	G0SXG	KEITH	1138	G0VBT	HOWARD	1682	G3ZJJ	MIKE	0274
GW3PRL	MARTIN	1315	GW0SXZ	JIM	1339	G3VD	BERNARD	1617	GW3ZNN	WALLY	0964
G4PSE	MIKE	0837	G0SZE	CHRISTINE	1301	G3VDL	JOHN	0549	DL1ZQ	HANS	0313
G4PSI	GEORGE	0032	G0TAW	IAN	1300	G0VEB	BROOK	0952	G3ZQS	GEO	0001
G4PSL	TERRY	1062	G0TBB	BOB	1135	G0VFM	TONY	1808	G3ZRX	IAN	0781
G0PTB	BRIAN	1072	G0TBD	TERRY	1163	G0VFFV	BOB	1684	GM4ZTO	JOHN	0695
G4PTE	KEN	0723	G0TCF	PETER	1340	GI0VGV	ANDY	1654	G4ZVL	HENRY	0538
GI0PUZ	IRENE	1656	G4TCJ	DOUG	1346	G4VIJ	BILL	0807			
G0PWZ	PETER	0876	G0TEB	CHRIS	1675	GM0VIT	BILL	1665			
G0PXI	PHIL	0979	G0TEQ	SYD	1186	GM0VIY	JON	1631			

# CW:

Where the excuses stop....



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and the achievements begin.